

COMPLETE LISTING OF ALL CLAIMS

1.(currently amended) A peptide fragment having the general sequence

His-X¹-His-X²-X³-X⁴-Cys-X⁵-X⁶-Cys,

where the variables X¹ to X⁶ in the sequence have the following meanings:

X¹ = an amino acid selected from the group consisting of Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp or Lys and the variables X² to X⁶ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X² = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu or Arg and the variables X¹, X³ to X⁶ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X³ = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His and the variables X¹, X², X⁴ to X⁶ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

X⁴ = an amino acid selected from the group consisting of Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg or His and the variables X¹ to X³, X⁵, X⁶ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or

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~~X⁵ = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys or Arg and the variables X¹ to X⁴, X⁶ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His or~~

~~X⁶ = an amino acid selected from the group consisting of Phe, Pro, Ser, Cys, Trp, Tyr or Gln and the variables X¹ to X⁵ an amino acid selected from the group consisting of Gly, Ala, Val, Leu, Ile, Phe, Pro, Ser, Thr, Cys, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg, His and~~
~~where at least one of the variables X¹ to X⁶ in the sequence is, independently of one another, Gln or Asn.~~

(ne)

2. (original) A peptide fragment as claimed in claim 1, in which the variables X¹ to X⁶ have the meanings stated in claim 1, where at least one of the variables X¹ to X⁶ in the sequence is, independently of one another, Lys or Arg.

3. (currently amended) A peptide fragment as claimed in claim 1, in which the variables X¹ to X⁶ in the sequence have the following meanings independently of one another:

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X¹ = an amino acid selected from the group consisting of Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp or Lys;

X^2 = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu or Arg;

X^3 = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg or His;

X^4 = an amino acid selected from the group consisting of Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg or His;

X^5 = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys or Arg;

X^6 = an amino acid selected from the group consisting of Phe, Pro, Ser, Cys, Trp, Tyr or Gln.

4.(currently amended) A peptide fragment as claimed in claims1, in which the variables

X^1 to X^6 in the sequence have the following meanings independently of one another:

X^1 = an amino acid selected from the group consisting of Phe, Ser, Asn, Asp or Lys;

X^2 = an amino acid selected from the group consisting of Val, Ile, Phe, Pro, Gln, Glu or Arg;

X^3 = an amino acid selected from the group consisting of Gly, Ile, Thr, Met, Trp, Tyr, Asn, Asp, Glu, Arg or His;

X^4 = an amino acid selected from the group consisting of Val, Phe, Cys, Met, Trp, Asn, Arg or His;

X^5 = an amino acid selected from the group consisting of Gly, Ser, Cys, Met, Asn, Glu, Lys or Arg;

X^6 = an amino acid selected from the group consisting of Phe, Ser, Cys, or Tyr.

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5.(currently amended) A peptide fragment as claimed in claim 1 , in which the variables

X^1 to X^6 in the sequence have the following meanings:

X^1 = Asn;

X^2 = Gln, Glu or Arg;

X^3 = Gly, Thr or Tyr;

X^4 = Asn or Arg;

X^5 = Gly or Lys;

X^6 = Cys.

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EP* 6. (allowed) A peptide fragment having the sequence

His-Gln-His-Glu-Gly-Arg-Cys-Lys-Glu-Cys

His-Asn-His-Arg-Tyr-Gly-Cys-Gly-Cys-Cys

His-Arg-His-Gly-Thr-Asn-Cys-Leu-Lys-Cys

His-Ile-His-Gln-Ser-Asn-Cys-Gln-Val-Cys.